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## Grégôri-Benoît FABRE

Sismage Team



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## Experience

### Since 2006 **TOTAL - Sismage - Pau (64, France)**

*Geoscience developer in Sismage Team - Total proprietary interpretation platform*

*Currently :*

- In charge of Reservoir, GeoSteering and Geomechanics parts.
- Conception and development of new geoscience tools.
- Research on Petroelastic models.
- Research on new technologies and Sismage's kernel development.

*Formerly :*

- 3D/4D Petro-elastic model inversion research (Girassol and Dalia, Angola).
- In charge of Sismage architecture and deployment procedures for 400 users. Sismage Daily creator.
- OpenSpirit Developments oversight (Management of external services).
- In charge of Sismage Wall Screen developments.

### Summer 2006 **TOTAL - EP/FEI/SI/CPI HPC - 6 months - Pau (64, France)**

Installation of an international grid used to optimise seismic migration calculations.

- First prize of the Innovation IT award.

### Summer 2005 **CEA - 3 months - Bruyères le Chatel (91, France)**

Study and integration of performance increasing tools for the CEA Military cluster.

### Winter 2004 **IITelecom - 4 months - Montreal (Québec, Canada)**

Design and integration of home automation through 3G cellular network.

- Winner of the ASIRQ award (Computer science security association).

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## Skills

### Geosciences

- Geoscientific module development in Sismage interpretation platform.
- Seismic Reservoir characterisation, 4D methods.
- Geomechanics (research on grids creation, property filling and simulation).
- Optimisation of pressure predictions from seismic data.
- Programation and optimisation of drilling tools (Advise trajectory algorithms).

### Geoscientific computer science

- Conception and development of Agama, geoscience calculation platform in Sismage.
- Grid computing and clusters. Seismic migration application.
- Networks and telecommunications, architecture, projects management.

### Internal training

- Reservoir engineering fundamentals and practical aspects.
  - Geology and geophysics basics.
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## Education

- 2000-2006 Engineer in ESIEE Paris (Ecole Supérieure d'Ingénieurs en Electrotechnique et Electronique).  
2005-2006 Master's degree in computer science department (LIP6) of Pierre et Marie Curie University (UPMC), Paris VI.  
2004-2005 4<sup>th</sup> year ESIEE at LAVAL University, Québec (Equivalent to a Canadian Bachelor's degree).  
2004 Computer science licence, majoring in signal processing at Marne La Vallée university (UMLV).
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## Activities and misc

Scuba diving instructor, trekking and kitesurf.  
Travels and photographs.  
References on demand.

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